



Rayat Shikshan Sanstha's
Dr. Patangrao Kadam Mahavidyalaya, Ramanandnagar
(Burli)
Department of Geography
POs, PSOs and COs

PROGRAMME OUTCOMES

After successfully completing this programme the student are expected to imbue with following quality which help them in their future life to achieve the expected goals.

- PO 1:** Realization of human values and virtues.
- PO 2:** Development of moral values.
- PO 3:** Sense of social awareness and social service.
- PO 4:** Inculcating values of responsible citizen.
- PO 5:** Creating critical approach towards social problems.
- PO 6:** Created innovative sense in their specialized discipline.
- PO 7:** Developing communication skills.
- PO 8:** Gained analytical ability.

Head of the Department



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PROGRAMME SPECIFIC OUTCOMES

After completion of this programme students will be able to: -

PSO 1: Outline the importance of geography as the earth science and interrelationship with other disciplines of knowledge.

PSO 2: Acquire knowledge of physical geography particularly formation of landform and its associated processes, world distribution of flora and fauna and their factors, marine resources etc.

PSO 3: Gain the knowledge regarding elements and factors affecting on climate and its influence on mankind in a global perspective.

PSO 4: Explain the man and nature relationship and their significance.

PSO 5: Able to know physical environment and their impact on biotic and non-biotic aspects.

PSO 6: Use the population data including estimation of population, causes and consequences of population growth, population theories and population policies.

PSO 7: Illustrate knowledge of statistical data, analyze and interpretation.

PSO 8: Categorised the maps, map making and reading.

PSO 9: Earn knowledge of advance technologies including interpretation of Satellite Imagery, Aerial Photographs, Geographical Information System and Global Positioning System (GPS).

PSO 10: Acquire expertise in various types of surveys like plane table, prismatic compass, subsequently able to prepare map on local level for the planning purpose.

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COURSE OUTCOMES

After successfully completing this course the student are expected to imbue with following quality which help them in their future life to achieve the expected goals.

➤ **Physical Geography (I)**

- CO 1.** The Students will possess a comprehensive understanding of Physical Geography, branches and fundamental laws.
- CO 2.** They will demonstrate proficiency in analyzing rocks weathering, interpreting endo / exogenetic earth movement and wind and precipitation
- CO 3.** Applying theoretical knowledge to real-world scenarios, emphasizing disaster Management urban planning and transportation

➤ **Human Geography (II)**

- CO 4.** The Students will understand the basics of human geography through its branches, and the man environment relationships
- CO 5.** Population awareness: students will gain insights into factors influencing global and Indian population distribution, addressing overpopulation challenges and examining Malthus's population theory
- CO 6.** The students will learn the spatial-relationship between Transportation and economic activity
- CO 7.** The students will get knowledge of human development index(HDI) and will play pivot role in human development



➤ **Fundamentals of Tourism (I)**

CO 8. Demonstrate a comprehensive understanding of the fundamental concepts and historical evolution of tourism, discussing its global perspectives and interconnections with related domains like pilgrimage, recreation and leisure

CO 9. Assess and critically analyze the multifaceted impacts of tourism on the economy, environment, and society, fostering a holistic perspective of its implications

CO 10. Evaluate diverse types of tourism, recent trends in international and regional tourism, and emerging concepts such as eco-tourism and sustainable tourism, integrating geographical parameters to comprehend the evolving nature of the industry

➤ **Components of Tourism –II**

CO 11. Demonstrate an in-depth understanding of the diverse components that constitute tourism, including ecological, cultural, and urban perspectives

CO 12. Critically analyze and discuss the tourism landscape in India, including World Heritage Sites, infrastructure development, challenges, and regional case studies

CO 13. Evaluate the National Tourism Policy of India, identifying its strengths, weaknesses, and implications for the tourism industry

➤ **Natural Disaster Management –I**

CO 14. Students will define and explain key concepts related to natural hazards and disaster risk reduction

CO 15. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of natural hazards

CO 16. Students will identify natural hazards and conduct hazard and risk assessments using appropriate methodologies

CO 17. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities

➤ **Manmade Disaster Management –II**

CO 18. Students will define and explain key concepts related to manmade hazards and disaster risk reduction

CO 19. Students will understand the frameworks and strategies used in disaster risk reduction to mitigate and prevent the impacts of manmade hazards



CO 20.Students will identify manmade hazards and conduct hazard and risk assessments using appropriate methodologies

CO 21. Students will apply principles of emergency planning and management in the context of disaster risk reduction and develop strategies for capacity building and training to enhance preparedness and response capabilities

➤ **Soil Geography (III)**

CO 22.By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Soil Geography, as well as its history and pedology.

CO 23.Students will be able to apply the knowledge of physical and chemical properties of soils in real-world scenarios, such as soil management and conservation.

CO 24. Students will be able to identify and classify soils based on their genetic characteristics and distribution.

CO 25. Students will have gained practical knowledge of pH and NPK soil analysis.

CO 26. Students will be evaluated through written assignments, group activity and practical exams to demonstrate their understanding of Soil Geography.

CO 27. Student will start up soil test laboratory.

➤ **Resource Geography (IV)**

CO 28. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Resource Geography.

CO 29. Students will be able to comprehend the sustainable resource development

CO 30. By the end of the course, Students will have gained knowledge of worldwide resource availability, its problems like scarcity, pollution etc. and will be able to imply measures to overcome these problems.

CO 31. Students will be able to understand for the need of sustainable resource development and Skills of resource management.

CO 32. Students will be evaluated based on their ability to apply their knowledge of problems of resource availability, its management and sustainable resource development in practical scenarios.

➤ **Oceanography (V)**

CO 33. Students will understand the sources, classification, and significance of oceanic deposits.



CO 34. Students will apply knowledge of oceanographic principles to illustrate the maps of ocean and NOAA CDR/ NESDIS sea surface temperature, Annual mean of the sea surface salinity distribution.

CO 35. Enhance problem-solving abilities by applying oceanographic principles to real-world situations and to demonstrate the ocean currents.

CO 36 Assess the development of critical thinking and problem-solving skills through case studies.

CO 37. Evaluate the effectiveness of student communication skills through oral examination.

➤ **Agriculture Geography (VI)**

CO 38. By the end of the course, students will be able to demonstrate knowledge of the definition, nature, and scope of Agriculture Geography, as well as evolution of agriculture over different periods in history and its impact on society.

CO 39. Students will be able to explain the significance of Agricultural Geography in various fields, including agriculture, ecology, land use planning, and environmental management.

CO 40. Students will be able to comprehend the Jenny's Factorial Model of Soil Formation and the process of soil formation.

CO 41. By the end of the course, students will have developed practical skills related to soil profile and soil sample tools.

CO 42. Students will be evaluated based on their ability to apply their knowledge of soil properties, classifications, and degradation in practical scenarios.

➤ **Tourism Geography (GE I and GE II)**

CO 43. Students will be demonstrated a comprehensive understanding of the definition of tourism and tourist and knowledge of the nature and scope of tourism geography.

CO 44. Students will be recognized the significance of studying tourism geography in tourism planning, development, and management.

CO 45. Students will demonstrate an understanding of the use of computer technologies in various aspects of tourism geography, such as e-ticket booking, destination search, promotion, mapping, and distance calculations.

CO 46. Students will be able to interpret and analyze data collected through field surveys, interviews, questionnaires, and sampling techniques in tourism geography research.



CO 47. Students will develop practical skills in conducting field surveys, interviews, questionnaires, and sampling techniques for data collection in tourism geography research.

CO 48. Students will improve their communication skills by effectively presenting and conveying information related to tourism geography.

CO 49. Students will be able to critically evaluate the classification of tourism based on different criteria and analyze the recent trends in the tourism industry.

CO 50. Students will demonstrate their ability to assess the economic, socio-cultural, and environmental impacts of tourism using appropriate evaluation methods.

➤ **Evolution of Geographical thought (VII) DSC-E106**

CO 51. Student should be able to understand in-depth about the Evolution of Geographical Thought .

CO 52. Students should be able to analyze the recent trends in geography.

CO 53. Student should be able to make use of various models of paradigms and debates in the geographical studies.

CO 54. Understanding of recent trends in geography.

➤ **Geography of India (VIII) DSE-E107**

CO 55. In depth understanding the dimensions and physiography of India.

CO 56. The students are fully aware about the climatic seasons in India.

CO 57. Detailed knowledge about soils, vegetations, drainage systems in India.

CO 58. Understanding an importance of agriculture and industry in Indian economy.

CO 59. Detailed knowledge about the economic setup of the India.

➤ **Population Geography (IX) DSC-E-108**

CO 60. This paper would bring an understanding of population geography along with relevance of demographic data.

CO 61. The students would get an understanding of distribution and trends of population growth in the developed and less developed countries, along with population concepts.

CO 62. The students would get an understanding of the dynamics of population.

CO 63. An understanding of the implications of population composition in different regions of the world.

CO 64. An appreciation of the contemporary issues in the field of population studies



➤ **Economic Geography of India (X) DES-E-230**

CO 65. In depth understanding about the economic geography.

CO 66. Detailed knowledge about locational factors of economic activities with special reference to agriculture and industry.

CO 67. Detailed understanding of the basics concepts related to manufacturing and major manufacturing industries (selected countries) of the world.

CO 68. Understanding of the transport and trade.

➤ **Urban Geography (XI) DSE-E-231**

CO 69. Detailed knowledge about the economic setup of the India.

CO 70. The students understood the types of Urban Settlements, Site and Situations.

CO 71. The students were familiar with an idea of relationship between human activities and urban development.

CO 72. Detail understanding of students regarding present urban problems and students are capable to handling of present problematic situations in urban areas.

CO 73. The students are developed as a good urban planner and environmental conservator.

➤ **Political Geography (XII) DSC—E-232**

CO 74. The students are fully aware about the Political geography as a fundamental branch of Human Geography.

CO 75. The students are familiarized with the basics and fundamental concepts and theories of Political Geography.

CO 76. The students are aware about resource conflicts and politics of displacement.

➤ **Basics of map making and map interpretation (XIII) DSE-E233 (Practical paper I)**

CO 77. In depth understanding the map, concept of scale and projection.

CO 78. Detailed knowledge about the analysis of landforms and its identification.

CO 79. The students are deeply aware about basic information to the students about S.O.I. Topo maps and I.M.D. weather maps and obtained the skills about map interpretation.

CO 80. The students are deeply familiar with different cartographic techniques and methods used for representation of demographic and physic- socio-economic database



Advanced Tools and techniques and Field work (XIV) DSE-E234 (Practical paper- II)

CO 81. In depth understanding the importance of field work and advanced Techniques in Geography.

CO 82. The students are trained to implement modern tool and techniques in Geography.

CO 83. Detailed knowledge about the use of computer for analysis of Geographical data.

CO 84. The students are deeply aware about the basics and trained in instrumental survey.

CO 85. The students are deeply familiar with computer, GIS, GPS and Remote Sensing.

Head of the Department